Section 3

List of Contents

1 Requirements for Installation 1
1.1 General 1
1.2 Necessary Tools 1
1.3 Required Service Programs 1
1.3.1 CCM-Tool 1
1.3.2 Error message program 2
1.3.3 Preparations for the Installation 2
2 Installing the ADC COMPACT Digitizer 3
2.1 Standard Settings 3
2.2 Removing the Shipping Brackets 3
2.3 Electrical Connections 6
2.3.1 Mains Connection Type 5145 / 100/140/200/240 (three-phase) 6
2.3.2 Correct Position of Coding Plug 7
2.3.2.1 Position of Coding Plug (Type 5145 / 100/200) 7
2.3.2.2 Position of Coding Plug (Type 5145 / 140/240) 8
2.3.3 Mains Connection Type 5145 / 101/201 (single phase) 9
2.3.4 Correct Position of Bridge Plug (Type 5145 / 101/201) 10
2.3.5 Network Connection 11
2.3.6 Network Medium Coding 12
2.3.7 Voltage Adaptation to 3 ~ 200 V 13
2.4 Horizontal Alignment of the Unit 14
2.5 Start-up of the Digitizer 15
2.6 Integrating the Digitizer into an independent, pure ADC COMPACT Network 15
2.7 Integrating the Digitizer into an existing Network 16
2.8 System Integration 16
2.9 Make a Backup of the Machine Specific Data 17
3 Concluding the Installation 17

Annex: - Installation Checklist
- Site and System Data

1 Requirements for Installation

1.1 General

The scheduled time for installation (MTTI) up to the first faultless start-up of the digitizer is two hours. This includes: removing the shipping brackets, electrical connections, first start-up.
Unpacking and network integration are not part of MTTI.

Preconditions

- finished preinstallation
- the digitizer is at its installation site

Important Remarks:

- You have to distinguish between an integration into an independent, pure ADC COMPACT Network (1digitizer, 1 Processing Station, 1 Preview/ID-Station) and an integration into an existing network. When integrating the digitizer into an existing network, it is necessary to create a cpf-file beforehand (see section 14, Installation Planning, checklist). With a pure ADC COMPACT Network the shipment configuration can be used.
- Whenever the system requests you to make a backup, do not use the floppy with the factory backup. The factory backup should be kept in a safe place.

1.2 Necessary Tools

- Socket wrench, 7 mm, for leveling the digitizer.
- Open-end wrench, 17 mm, for leveling the digitizer.
- Open-end wrench, 7 mm to remove shipping brackets.

1.3 Required Service Programs

The following Software has to be installed on:

- your Service PC or
- the PC of the ID/Preview-Station.

1.3.1 CCM-Tool

The CCM-tool is available on Diginet (www.diginet-agfa.de).

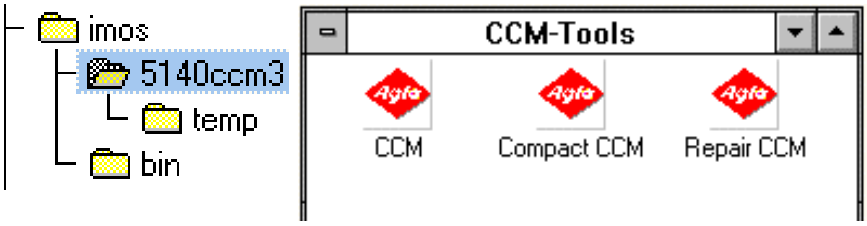
The CCM-tool is needed to :

- create and modify the configuration file (adc.cpf) for an ADC System.
- to convert ADC70 cpf-files into ADC COMPACT cpf-files.

If a previous version is already installed on your Service PC, please remove the complete directory and also the icons.

Installation: install by executing "setup.exe"

The CCM-Tool will be installed in directory "IMOS" or any directory of your choice.



1.3.2 Error message program

The "SHOW ERROR PROGRAM" with the "ERROR.MSG file" translates the ADC COMPACT error codes into clear text.

The "SHOW ERROR PROGRAM" is a part of IMOS, the "ERROR.MSG file" is loaded in the Digitizer.

The last floppy of the digitizer software contains the file *error.msg*. You may copy this file to the HDD of your Service PC.

1.3.3 Preparations for the Installation

The following work should be performed before the system components are installed:

- Laying of the network cables (Ethernet).

Creation and adaptation of the configuration file adc.cpf, together with the application specialist.

We recommend, to create and adapt the configuration file adc.cpf, which is used by all ADC System Components, before starting the installation. This allows a smooth installation.

2 Installing the ADC COMPACT Digitizer

2.1 Standard Settings

- **The standard setting ex works is:**

Type 5145/100/200: 230-240 V/400-415 V, 3N~, 50/60 Hz.
Type 5145/101/201: 230-240 V, single-phase, 50/60 Hz
Type 5145/140/240: 208 V, 3Ph, 50/60 Hz.

Connection to 200 V see item 2.3.7.

2.2 Removing the Shipping Brackets

Keep the shipping brackets in case you should wish to install the equipment at some other site.

- Open the doors of the digitzer.

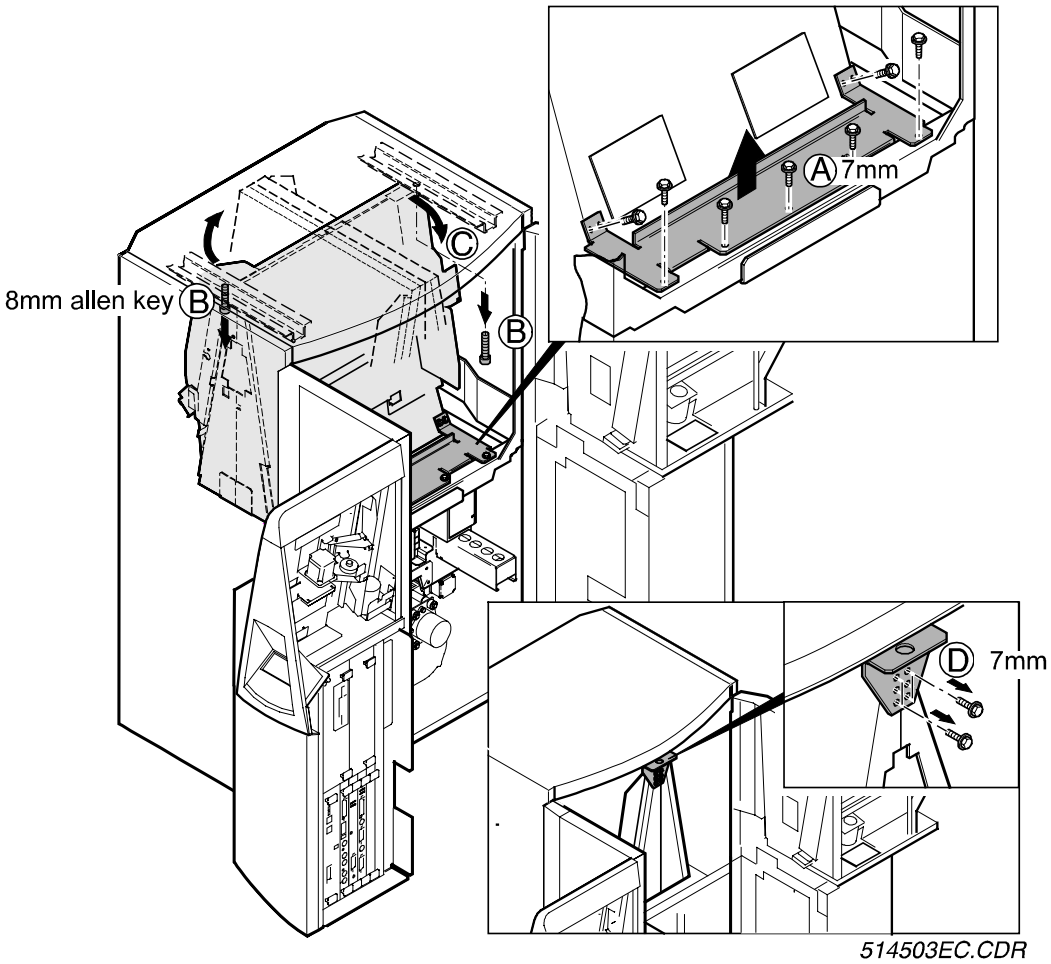


Figure 1

A: Remove the metal plate (7 screws).

B: Unscrew the cassette unit from the frame (2 screws).

C: Turn the cassette units.

D: Remove the two metal brackets (6 screws on every side of the cassette units).

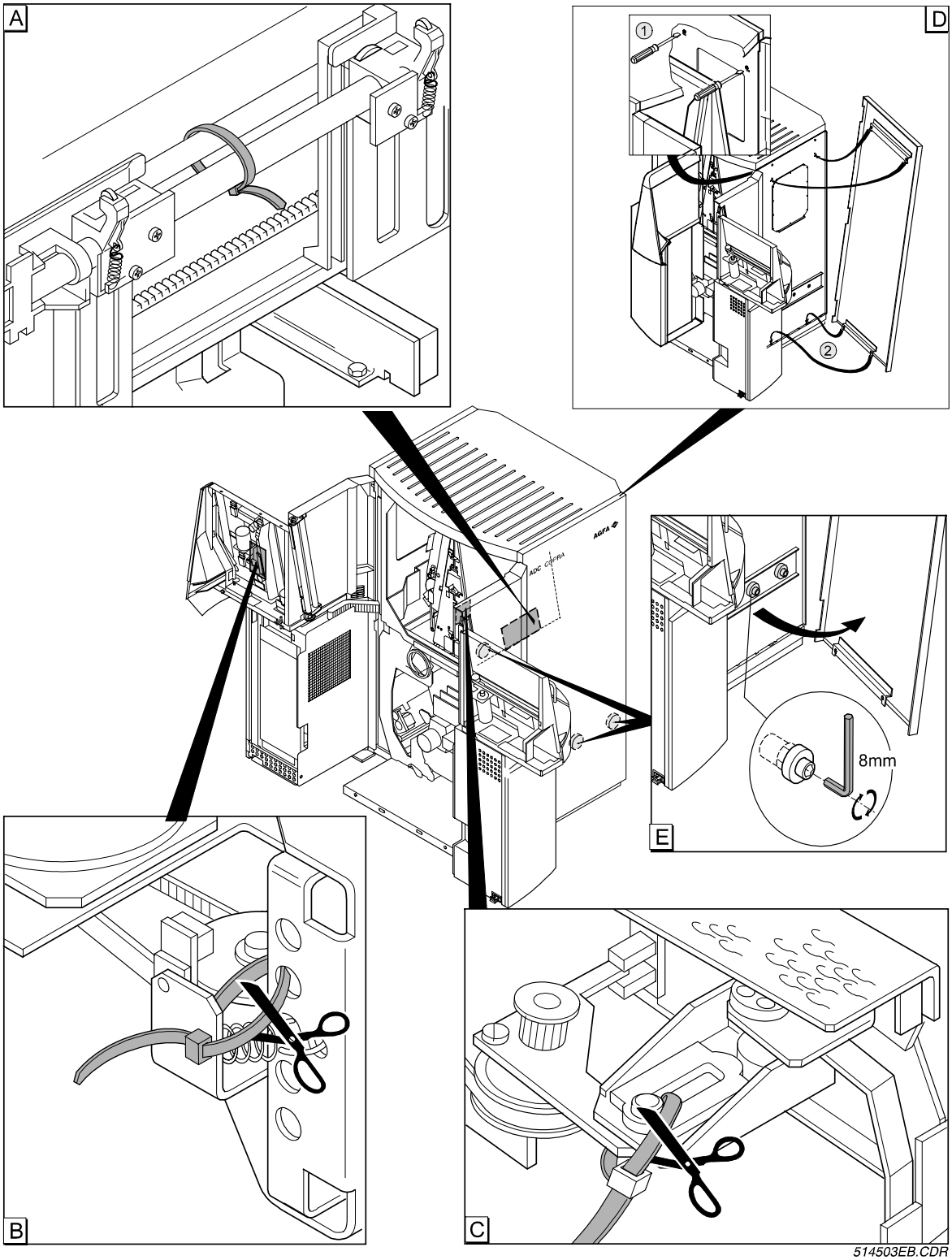


Figure 2

A: Cut the cable tie on both cassette units.

B: Cut the cable tie on the deflector of the output buffer.

C: Cut the cable tie on the feed gate of the input buffer.

D: Remove both side panels.

E: Unscrew the 3 bolts (Shipping brackets of the scan unit); two at RHS, one at LHS.

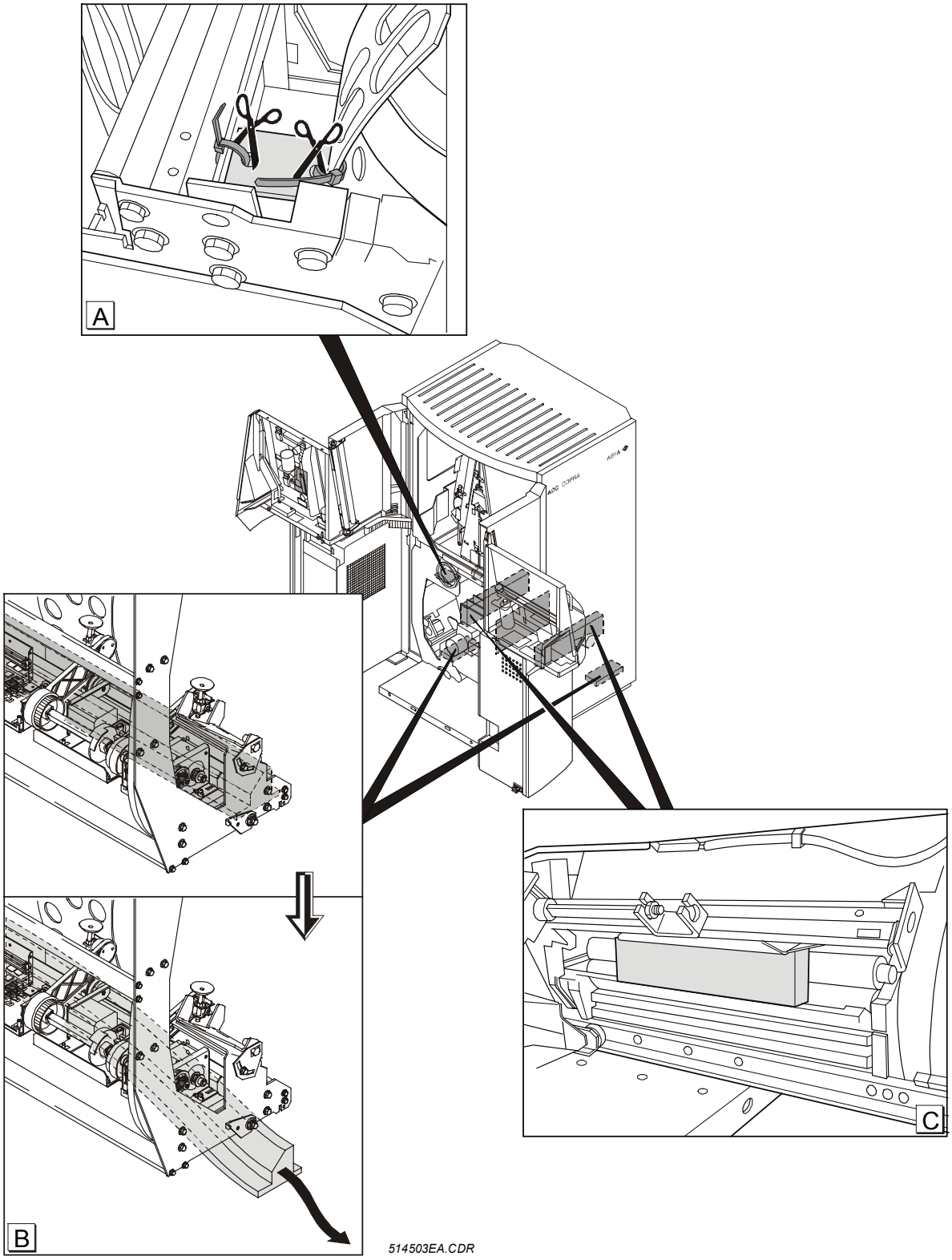


Figure 3

A: - Disconnect the erasure unit and slide out the IP-transport unit left (postscan).
- Cut the cable tie and remove the PVC plate.

B: - Slide out the IP-transport unit right (prescan).
- and remove the polystyrol blocks on both IP-transport units very carefully (see arrow).

(The procedure described in Figure 3 B, can differ slightly).

C: Remove the polystyrol blocks jammed at the feed- and exit rollers of the scan unit.

2.3 Electrical Connections

The electrical connection must be made before the machine is moved towards the wall.

Make sure the length of the connection cables allows it to move the machine away from the wall for repair work.

With ADC Compact / type 5145 / 100/200 (Euro version ⅄), type 5145 /101//201 (Euro version, single phase), digitizers the mains cable (5 m) is fixed to the machine ex works.

With ADC Compact / type 5145 / 140/240 (US version △) the mains cable (5 m) is part of the enclosure and has to be connected to the machine by the FSE.

2.3.1 Mains Connection Type 5145 / 100/140/200/240 (three-phase)

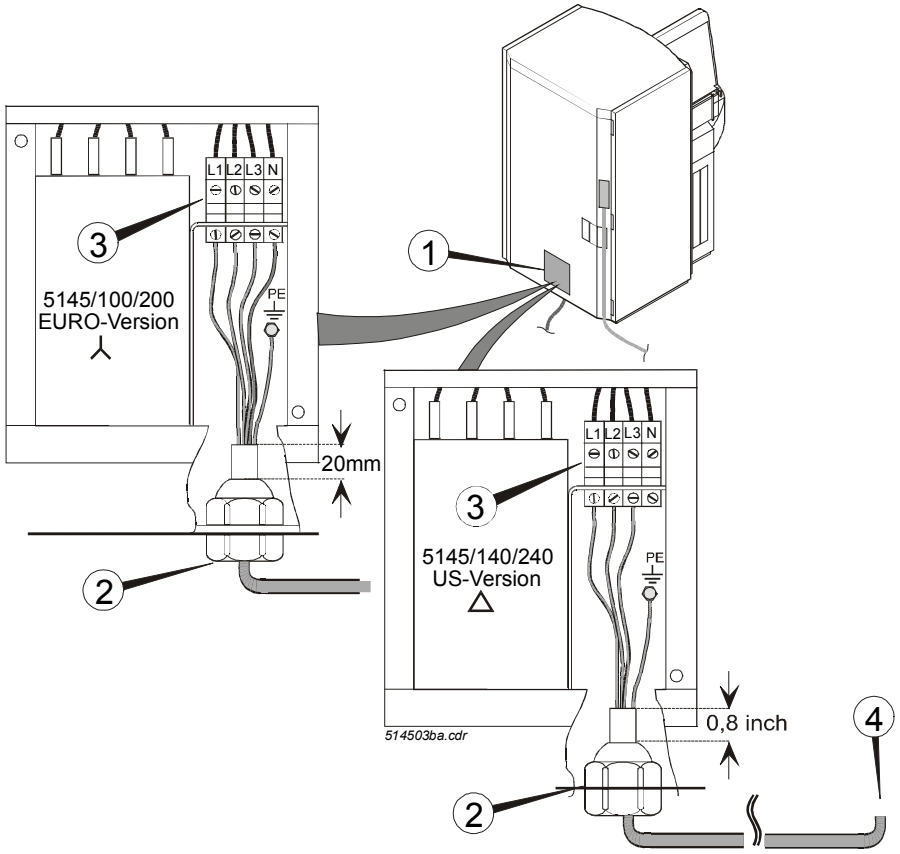


Figure 4

Have connection of plug or allpole main switch made by the company electrician or an authorized and qualified electrician in accordance with VDE 0100/0104.

1 Remove the cover plate.

2 Fix screwed conduit entry (strain relief device) in place on mains cable.
Screw strain relief device into equipment.

3 Connect mains cable (type 5145/140/240)

Mount the cover plate (item 1).

4 Connect the far end of the cable to a plug or to an allpole main switch.

2.3.2 Correct Position of Coding Plug

2.3.2.1 Position of Coding Plug (Type 5145 / 100/200)

With type **5145 / 100/200** do only use the coding plug (single plug, F8.5145.4674.2). Connect it to the **right** connector of the line power connection (see figure below).

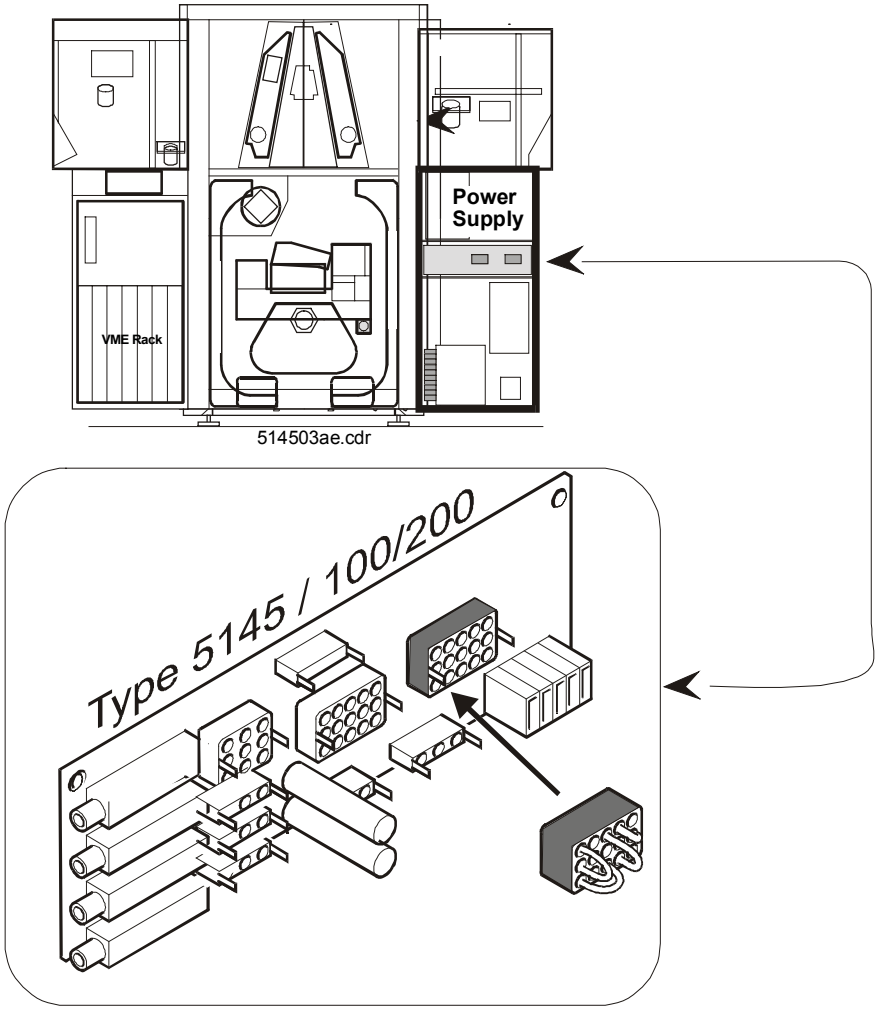


Figure 5

2.3.2.2 Position of Coding Plug (Type 5145 / 140/240)

With type **5145 / 140/240** do only use the coding plug (single plug, F8.5145.4674.2).
Connect it to the **left** connector of the line power connection (see figure below).

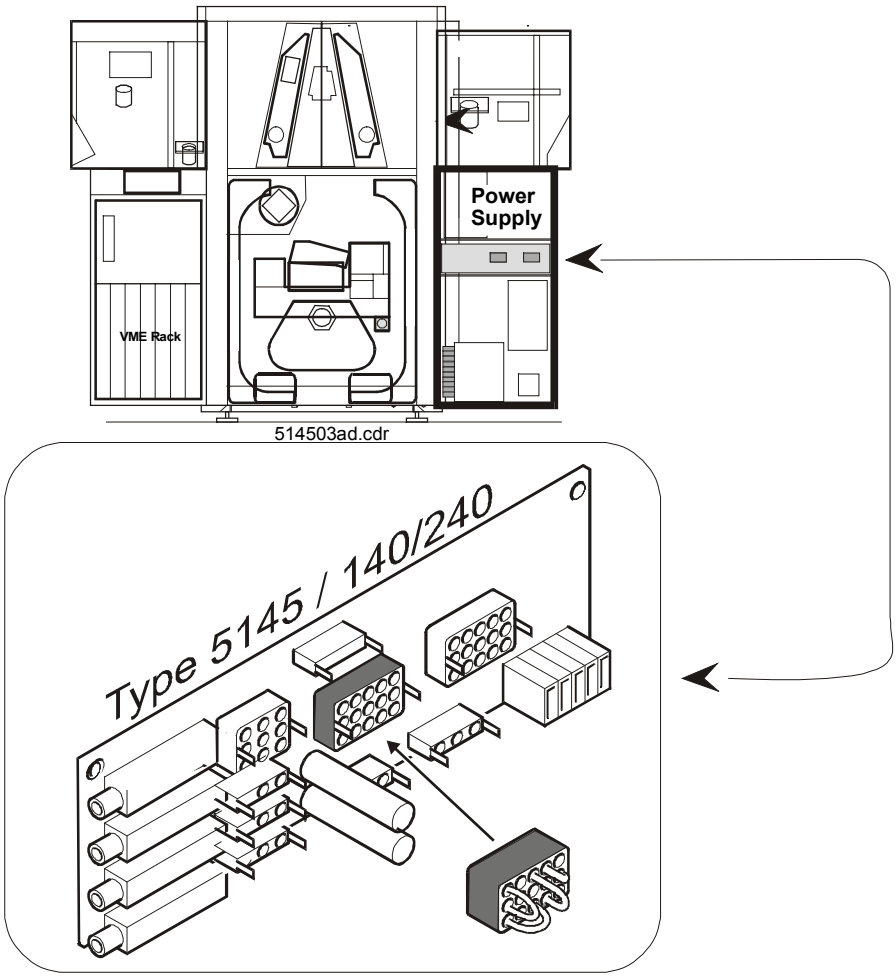


Figure 6

2.3.3 Mains Connection Type 5145 / 101/201 (single phase)

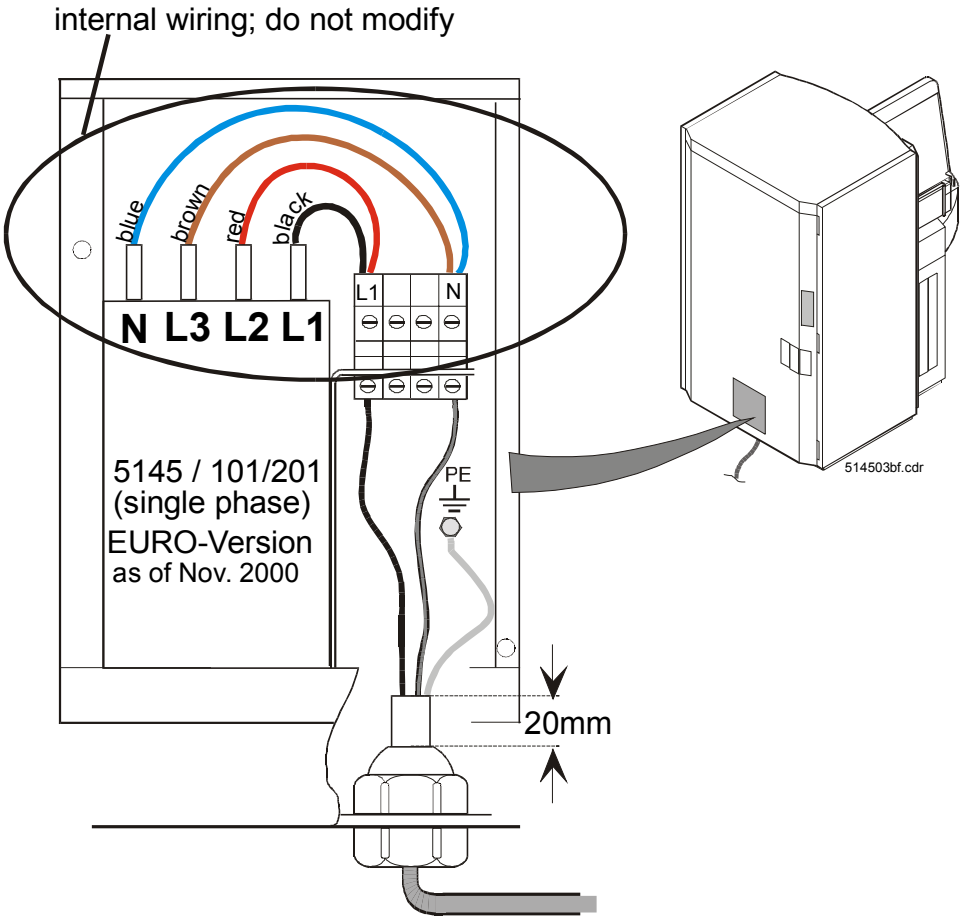


Figure 7

L2 andL1 are connected to L1 of the mains input clamp.

L3 and N are connected to N of the mains input clamp.

The labels L2 and L3 on the mains input clamp have been removed.

Since the main cable is fixed to the machine ex works, the above description is only important, if a longer main cable is required.

Have connection of plug or allpole main switch made by the company electrician or an authorized and qualified electrician in accordance with VDE 0100/0104.

Installation steps see 2.3.1.

2.3.4 Correct Position of Bridge Plug (Type 5145 / 101/201)

With type **5145 / 101/201** do only use the bridge plug (two plugs connected to each other, F8.5145.4675.0). Connect it to the **left** and **right** connector of the line power connection (see figure below).

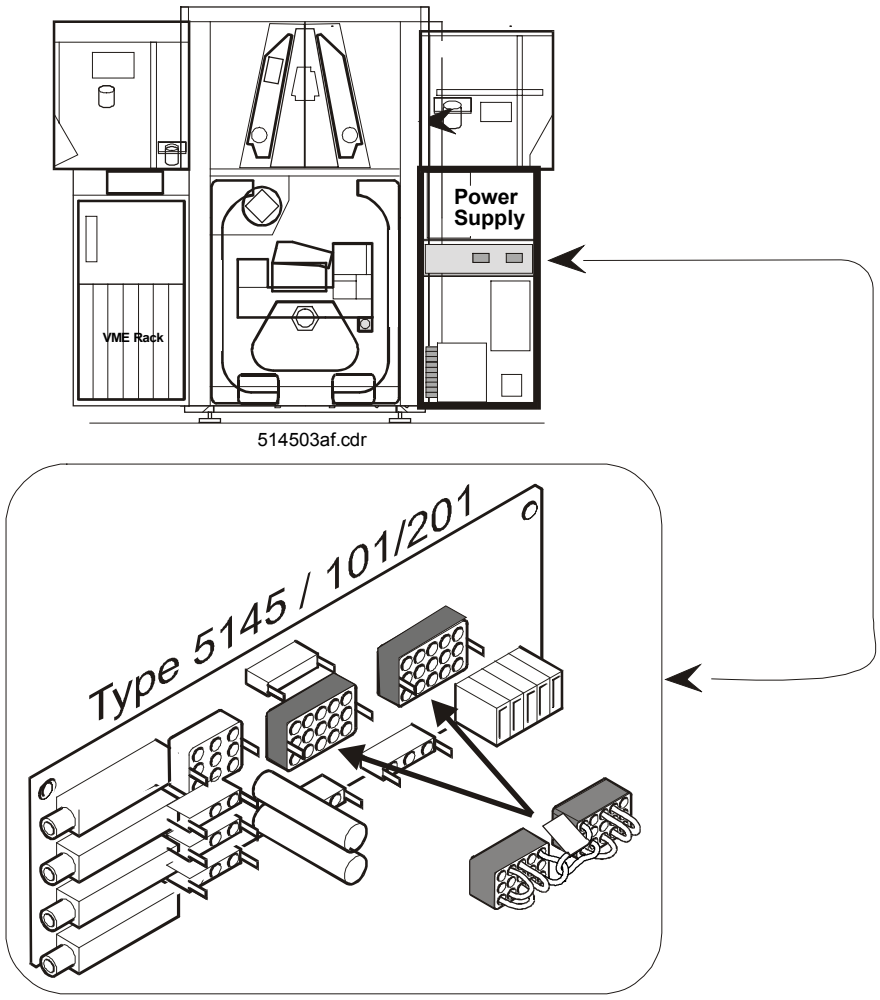


Figure 8

2.3.5 Network Connection

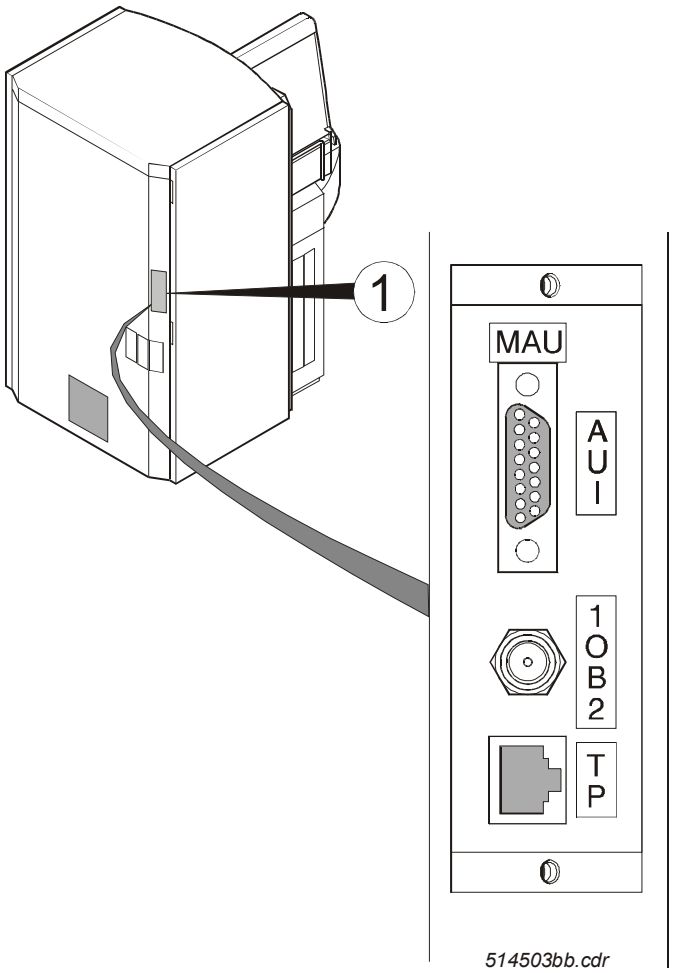


Figure 9

The network connection has to be done after the configuration of the ADC COMPACT in order to avoid trouble with the local net.

1 • prepare network connection.

The connection board (10 Mbit only) is coded ex works for **<UNSHIELDED TWISTED PAIR>**.

For THIN ETHERNET" (10base2) or "AUI Interface" the coding must be changed, see 2.3.6.

2.3.6 Network Medium Coding

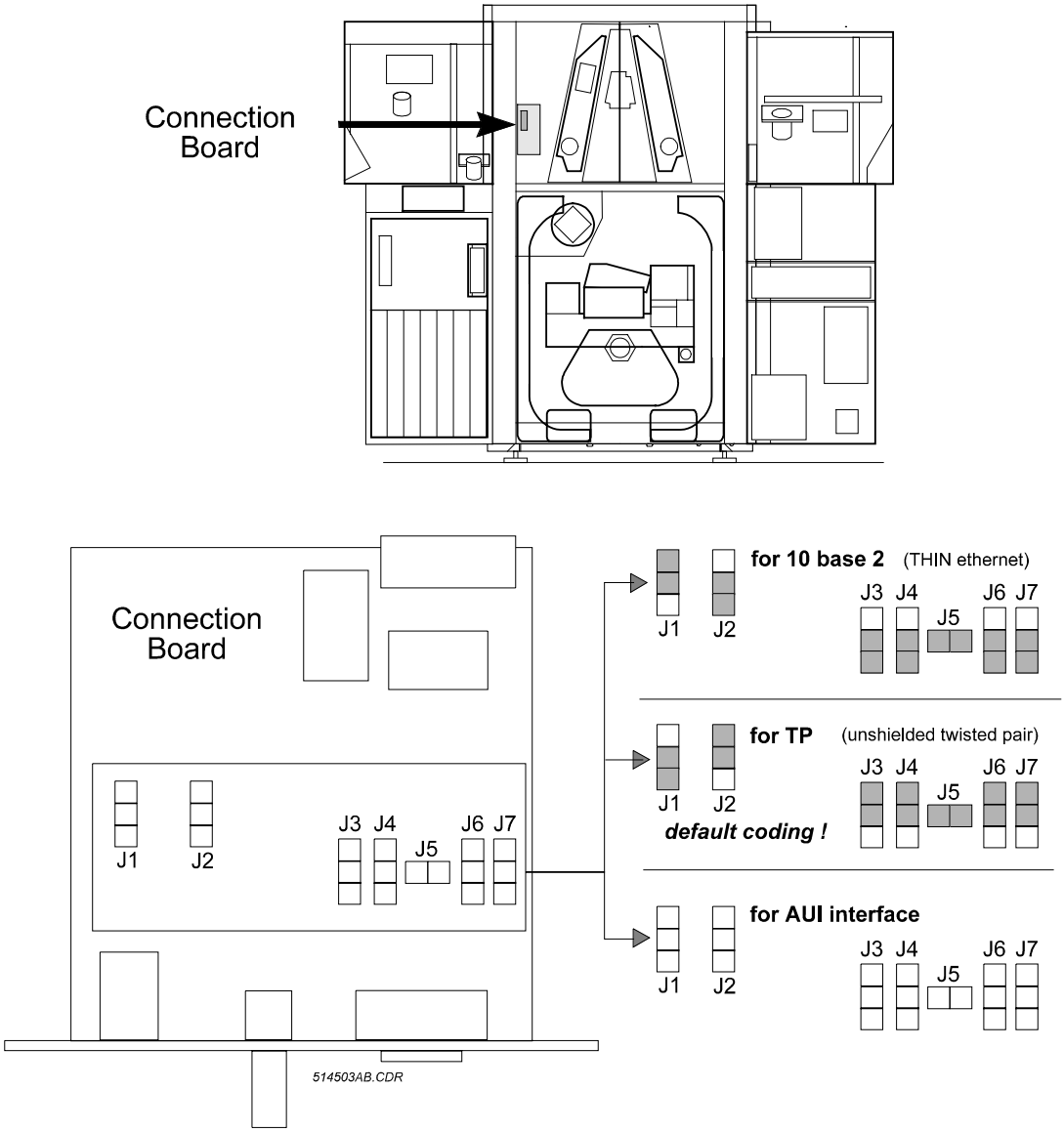


Figure 10

- Unscrew the connection board at the back of the machine and pull the board out to the rear.
- Make the required coding for 10base2 (THIN ethernet) or "AUI Interface" respectively, see Figure 10.
- Install the connection board in reverse order.

2.3.7 Voltage Adaptation to 3 ~ 200 V

- Voltage Adaptation to 3 ~ 200 V is necessary with ADC Compact type 5145 / 140/240 running in Japan.

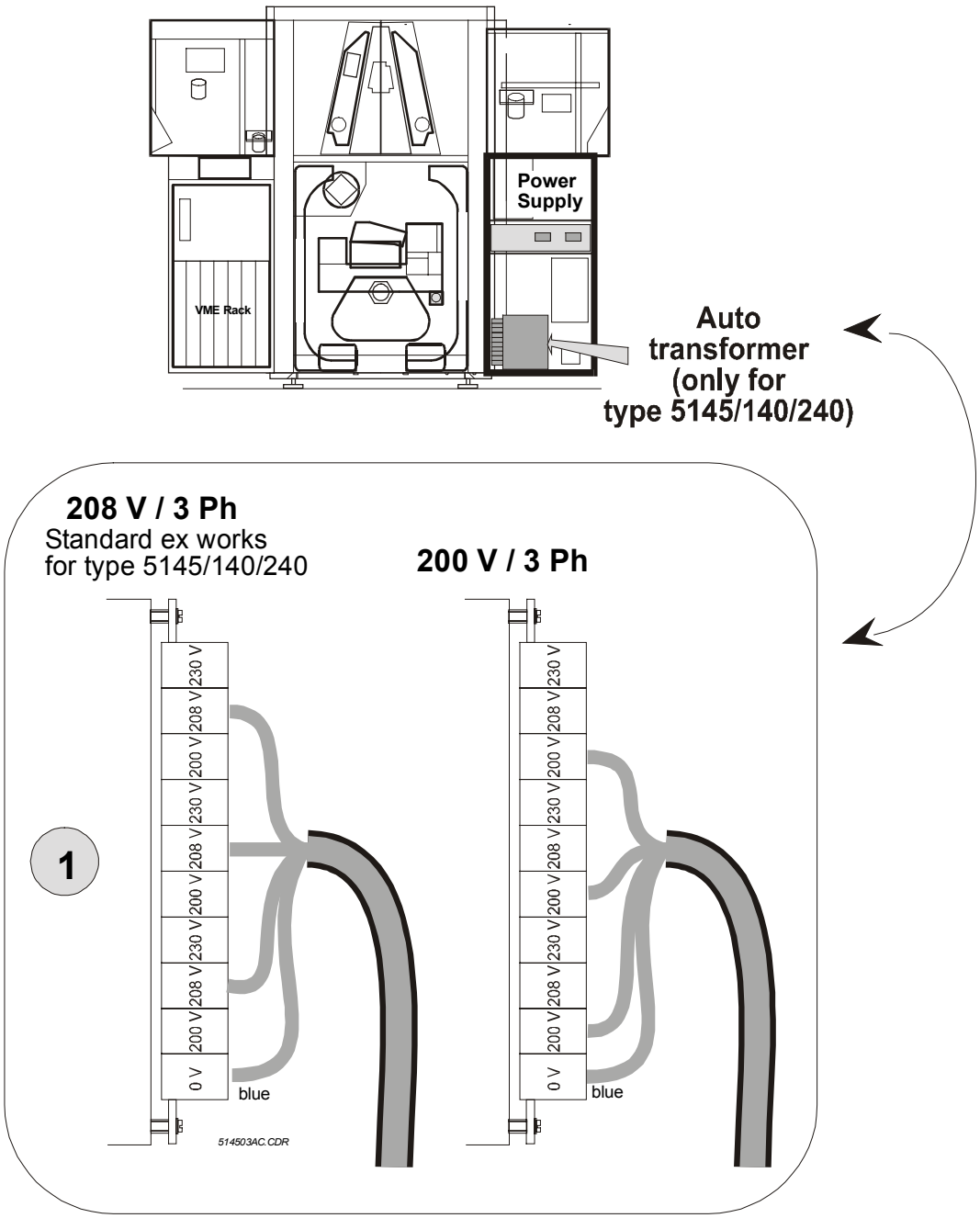


Figure 11

1 For connection to 3 ~ 200 V you have to modify the connections on the terminal block of the auto transformer.

2.4 Horizontal Alignment of the Unit

- Fix the floor plate at the bottom.
- Place the digitizer on the floor plate (Scope of delivery).
- Adjust the roller feet in such a way, that the machine cannot tilt and that the machine is leveled. Use a level if available.
  - Figure 12 - Pos 1 = adjustment screw for the front roller feet (7 mm socket wrench).
  - Figure 12 - Pos 2 = adjustment screw for the rear roller feet (7 mm socket wrench).

Protect the machine

- from tilting when the scan unit slides out.
- from slipping.

For this purpose lower both adjustable feet until they rest on the floor (17 mm wrench) see Figure 12 - Pos 3.

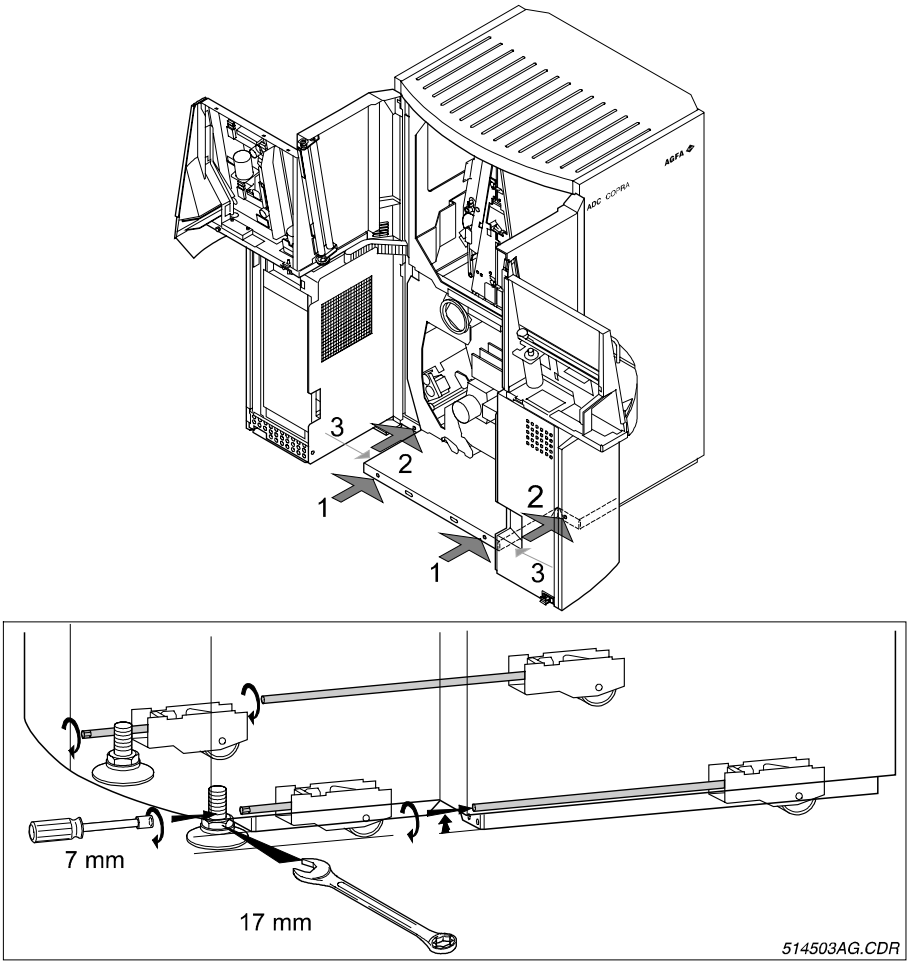


Figure 12

2.5 Start-up of the Digitizer

The digitizer must not be connected to a network during the start-up process.

Mechanical Start-Up

1. Switch on the digitizer.
2. Check the operation terminal during the initialization.
   While booting for the first time, the message
   <Installation not yet confirmed> appears.
3. Confirm with .
4. After a successful start-up **<ready>** appears.
5. Check/adjust **date** and **time** in key operator mode.
6. Choose **terminal language** in the service menu
   <Configure>
   <User terminal language>
7. Store the modified machine-specific data.
8. Open the service menu
   <Maintenance>
   <test cycle without scan>
   and check the function of cassette- and plate operation with the machine open. Each size should run at least one time.
9. Erase all image plates.

End of Mechanical Start-Up

Here ends the scheduled time for installation (MTTI).

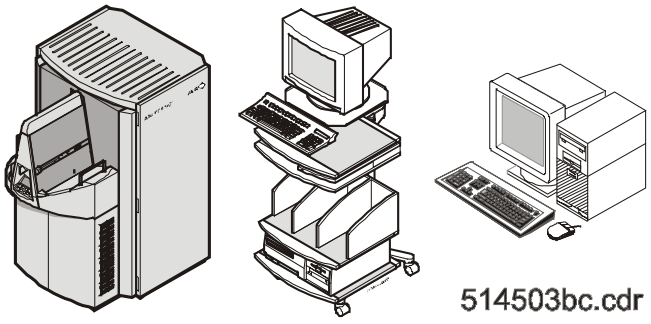
2.6 Integrating the Digitizer into an independent, pure ADC COMPACT Network

Pure ADC COMPACT Network (minimum configuration)

- 1 ADC COMPACT digitizer
- 1 Processing station
- 1 Prewiev/ID station

In this case the ex factory settings for the ip- address (adcc1 192.9.200.199) are being used.

A new configuration of the machine **is not** required.



Measures:

- Connect the Ethernet.

The Digitizer is now integrated to the Network. Proceed with 2.8

2.7 Integrating the Digitizer into an existing Network

In this case the ip-address has to be adapted to an existing network. This happens by means of the cpf–file created beforehand.

Existing Network

1. Insert the floppy disk with the configuration file ” adc.cpf”.
2. Select:
   <Install from floppy>
   <cpf-File>
3. Choose a name suggested on the LCD.
4. Follow the online instructions.
5. Connect ADC COMPACT to the Ethernet.

The Digitizer is now integrated to the Network. Proceed with 2.8

2.8 System Integration

Precondition

The destinations, i.e. Processing Stations, intended for the digitizer, have to be put into operation and must be obtainable via Ethernet.

System Integration

1. Check whether the Processing Station(s) is/are obtainable.
2. Service menu:
   <Checks>
   <Check destinations>
3. Send a test image to the Processing Station(s).
4. Key operator menu:
   <Send test image>.

End of System Integration

2.9 Make a Backup of the Machine Specific Data

Do not use the factory backup!

- insert a new formatted floppy.
- start the service program.
- select:
  <save on floppy>
  <Machine specific data>
- start the backup procedure.
- label the floppy as follows:

S/N:	<xxxx>
Date:	<date>
Software-version:	COP_xxxx

3 Concluding the Installation

- Dispose of all packing material for the different system components (depending on the country, by the forwarding agent or by the hospital).
- Complete the Installation Report (Enclose of every device) for all system components and forward it to the regional CSO Manager.
- Fill in the enclosed form "Site and System Data" and send it to MI CSO.
- Hand over the ADC system to the application specialist.

No.	Checklist for Installation / Machine Start -up	Task Code	OK	NOK
	PRID-Station installation and start-up			
1.	Unpack, check consignment for damage and completeness	INS	❒	❒
2.	Position PC and ID-tablet	INS	❒	❒
3.	Connect power cords, monitor, keyboard and mouse	INS	❒	❒
4.	Connect ID-tablet (RS232 serial connection to PC and power cord).	INS	❒	❒
5.	Set in Windows NT: regional settings	INS	❒	❒
6.	Set in Windows NT: time and date	INS	❒	❒
7.	Set in Windows NT: network settings	INS	❒	❒
8.	When first time starting the PRID application: fill in the site data screen	INS	❒	❒
9.	Load the cpf-file	INS	❒	❒
10.	Connect the PC to the network	INS	❒	❒
11.	Reboot the PC and start the PRID application again	INS	❒	❒
12.	Do a few test identifications	INS	❒	❒
13.	Reset Infocounters	INS	❒	❒
14.	Repeat step 1 – 13 for each PRID-Station	INS	❒	❒
15.	Check initialization of all cassettes; if required re-initialize them	INS	❒	❒

	Processing Station installation and start-up			
16.	Unpack, check consignment for damage and completeness	INS	❒	❒
17.	Position Processing Station	INS	❒	❒
18.	Connect power cords, monitor, keyboard, mouse, DAT-Drive and optional devices (image disks, UPS)	INS	❒	❒
19.	When first booting: fill in the site data screen	INS	❒	❒
20.	Load in Maintenance Menu: cpf-file	INS	❒	❒
21.	Set in Maintenance Menu: network settings	INS	❒	❒
22.	Connect Processing Station to the network	INS	❒	❒
23.	Check basic functions like receiving, printing sending, viewing images	INS	❒	❒
24.	Reset Infocounters	INS	❒	❒
25.	Create a site specific backup	INS	❒	❒

p.t.o.

No.	Checklist for Installation / Machine Start -up	Task Code	OK	NOK
	Digitizer installation and start-up			
26.	Check consignment for damage and completeness	INS	❒	❒
27.	Remove shipping brackets	INS	❒	❒
28.	Align the unit horizontally with the adjusting feet (only ADC Compact)	INS	❒	❒
29.	Have digitizer connected to mains by company electrician or other qualified electrician *(only ADC Compact)*	INS	❒	❒
30.	Adapt voltage on the voltage adaptation switch of the machine *(only ADC Solo)*	INS	❒	❒
31.	Connect the mains cable *(only ADC Solo)*	INS	❒	❒
32.	When first booting: Confirm the installation with	INS	❒	❒
33.	Check date and time in key operator mode	INS	❒	❒
34.	Choose terminal language in service menu	INS	❒	❒
35.	Make a backup of the machine specific data	INS	❒	❒
36.	Check the mechanic components Perform a "Test Cycle without Scan" to check the function of IPs and cassettes	INS	❒	❒
37.	Erase all image plates	INS	❒	❒
38.	Network Integration load the adapted configuration file adc:cpf select a stationname for the digitizer from the display make a backup of the machine specific data connect the digitizer to the Ethernet	INS	❒	❒
39.	System Integration check whether the Processing Station is obtainable "Checks-Check destinations" send a test image to Processing Station: "Send test image" in key operator menu	INS	❒	❒
40.	Check the image quality send flatfield and testsheet to a printer: **`<Checks> <Send flatfield> <Send Testsheet>`** expose two flatfields (calibration and banding) and a testsheet print flatfields (calibration and banding) and testsheet compare and evaluate the printouts (see Technical Documentations ADC Compact/ADC Solo, sec. 12 for details)	INS	❒	❒

	ADC Compact/Solo – entire system			
41.	Perform system test with practical exposures	INS	❒	❒
42.	Hand over the ADC system to the application manager	INS	❒	❒
43.	Fill in the form "Site and System Data" and send it to MICSO	INS	❒	❒
44.	Send the completed "Installation Reports" to the regional CSO manager	INS	❒	❒

	Remote Access			
45.	Make connection to Service Host	INS	❒	❒

Site and System data of a _____ System

AGFA
A Bayer division

Installation date:

Customeraddress

Hospital name: _____

Street: _____

City: _____

Phone: _____

Country: _____

Contact Persons

Function	Name	phone	DRA responsible
			☐
			☐

System Care (AGFA, OEM,...)

Function	Name	Phone	Car phone	DRA responsible
				☐
				☐

DEVICE (ADC, MG, LR,CX)

Type	Serial no.	Softwarename/Version/Mega OEM CHM VME LP Processor	Vers.

Please send this form to your responsible GSC:

GSC Munich	GSC Teterboro	GSC Melbourne
Fax: + 49 89 6207 7710	**+ 1201 288 6951**	**+ 61 3 9264 7900**
phone: + 49 89 6207	**+ 1201 440 2500**	**+ 61 3 9264 7711**

Site and System data of a _____ System

AGFA
A Bayer division

Curix Processing, Filmhandling

Configuration:

Processtime: **.s** Temperature: **°C** Dryer: Dev.typ: Fix.typ: CIC: ☐ Parallel right ☐ left ☐ Infoprinter: ☐

used Film:

Workstation, Peripherals

Workstation,Monitor,Datdrive,ext.HD,UPS,Jukebox,Scanner....

Softwarename/Version(Mega,OEM,CHM,VME,LR,Processor,...

Device	Type no.	Serial no.	Softwarename/	Vers.

Modem access

Modemnumber: _____ Modemtype: _____

Modem connected to:

Password Workstation: _____

ISDN-Modem☐ Constantly switched on☐ Separate line☐ Call back☐ switched on on request☐

call back numbers programmed: _____ password:: _____

Security policy data encrypt.type: _____

Settings, Initstring:

Please send this form to your responsible GSC:

GSC Munich	**GSC Teterboro**	**GSC Melbourne**
Fax: + 49 89 6207 7710	**+ 1201 288 6951**	**+ 61 3 9264 7900**
phone: + 49 89 6207	**+ 1201 440 2500**	**+ 61 3 9264 7711**

Site and System data of a _____ System

AGFA
A Bayer division

ID-Stations

Name	Agfa type no.	Ser.no.	ID-Software.. Software

Cassettes,Magazines

Format	Numbers	Batchcode

Accessories,Options

Softwarepackages(QA,Dose monitor,Annotation,Autorouting,RP5,TS5,...)Hardware

Softcopy

Destinationname	IP-Address	Networktype	Filetype	Protocol

Description

RISLINK

RIS_manufacturer	Softwarevers.	Networktype	Protocol	Transmissiontype

Description

Please send this form to your responsible GSC:

GSC Munich	GSC Teterboro	GSC Melbourne
Fax: + 49 89 6207 7710	+ 1201 288 6951	+ 61 3 9264 7900
phone: + 49 89 6207	+ 1201 440 2500	+ 61 3 9264 7711

Site and System data of a _____ System

AGFA
A Bayer division

Date: **Name:**

Please send this form to your responsible GSC:

GSC Munich	GSC Teterboro	GSC Melbourne
Fax: + 49 89 6207 7710	+ 1201 288 6951	+ 61 3 9264 7900
phone: + 49 89 6207	+ 1201 440 2500	+ 61 3 9264 7711